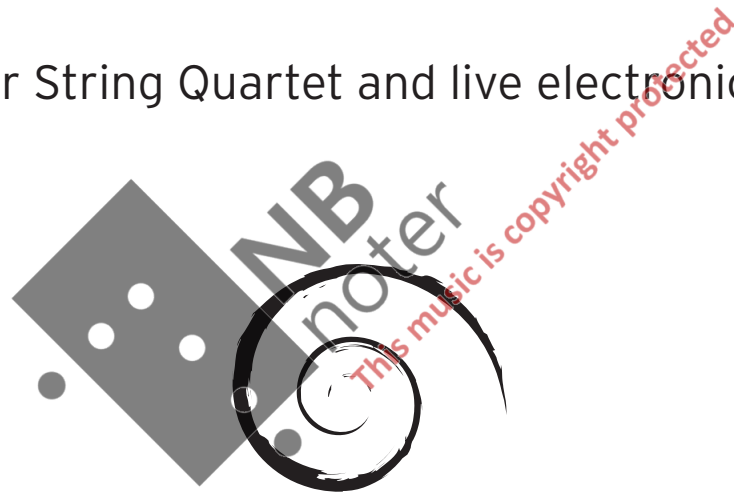


# Hilmar Thórdarson

## Pyrox

For String Quartet and live electronics



Støtta av Kulturrådet  
Statens kunstnarstipend

CAVE production  
creation audio vision environment

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## Pyrox

The title refers to the word pyroxene. Igneous-rock-forming silicate minerals, that vary in color from white to dark green or black.

### Performance notes

For best results use clip-on microphones for each instrument. DPA 4099 mics. are preferred. If not using a clip-on mic. then use a condenser mic. located near the body of the instrument.

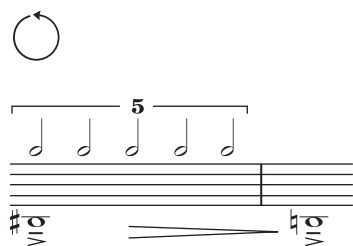
A strong dark green or red spotlights located on the floor around the performers is preferred. Smoke can also be added. If not available then dark green or red-colored spotlights from the ceiling can be used, surrounding the string quartet.

# Pyrox

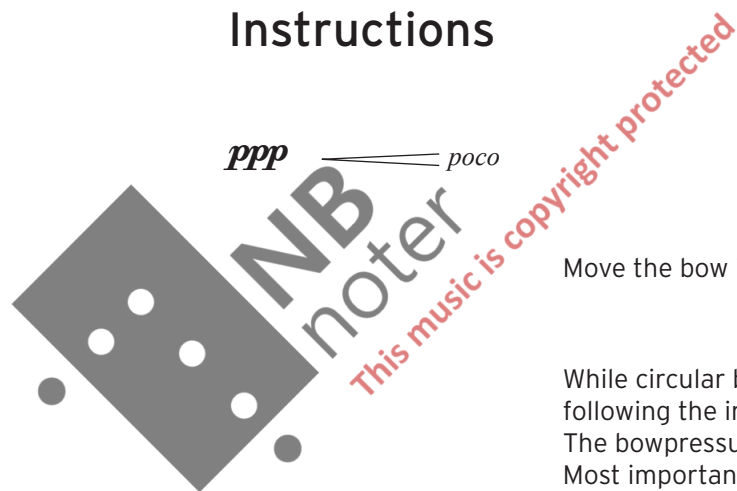
## I

Fluttering of gossamer

### Instructions



*ppp* ————— *poco*



Move the bow in circular motion from *sul pont.* to *sul tasto*

While circular bowing do a slight bowpressure changes following the indicated rythm showed above.  
The bowpressure changes are very suddle and can be irregular.  
Most important that there are five pressure changes in the time of four beats

The crescendo/diminuendo can vary to the max of *ppp* to *mp*  
The idea is having the instruments moving individually from back to front

Panning signs. Indicates where in space (loudspeaker) the electronic sound of the instrument appears and moves.  
In this example the sound appears in center front and moves to the right.

Graphic notation for the electronic part of each individual instrument.  
Height roughly indicates volume and gradient tone-color (timbre).

Adagio ♩ = 44

Violin I

Violin II

Viola

Cello

con sord.

play given rhythm using bow pressure while circular bowing

con sord.

ppp

poco

Spectral bubbles

ppp

poco

Spectral bubbles

8

Spectral bubbles

ppp

poco

14

Musical score for measures 14-24. The score is written for four staves: Violin I, Violin II, Viola, and Cello/Double Bass. It features complex melodic lines with many slurs, ties, and dynamic markings. Measure numbers 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, and 24 are indicated at the top of each staff. A large watermark is present over the score.

25

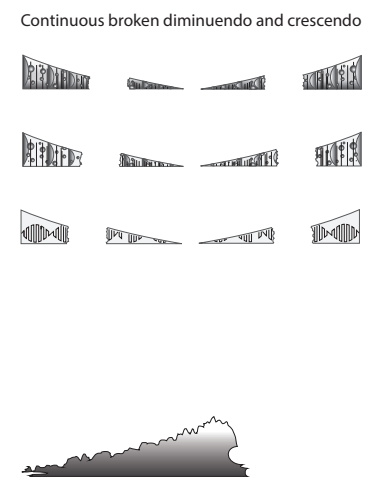
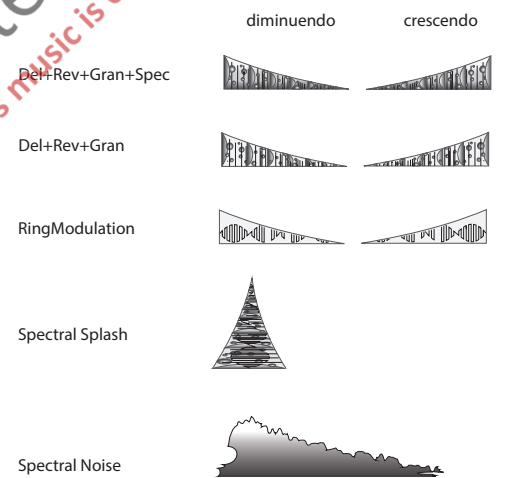
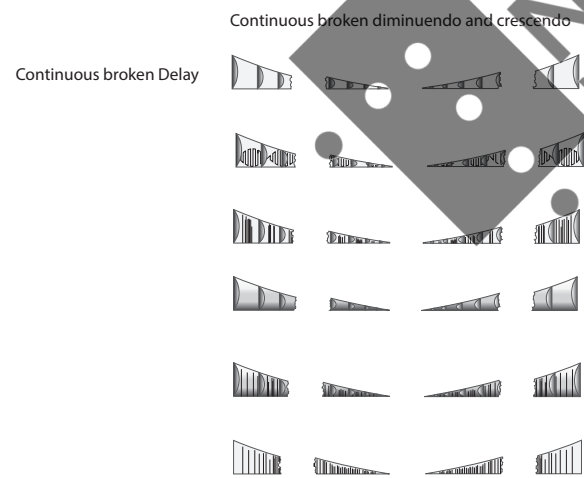
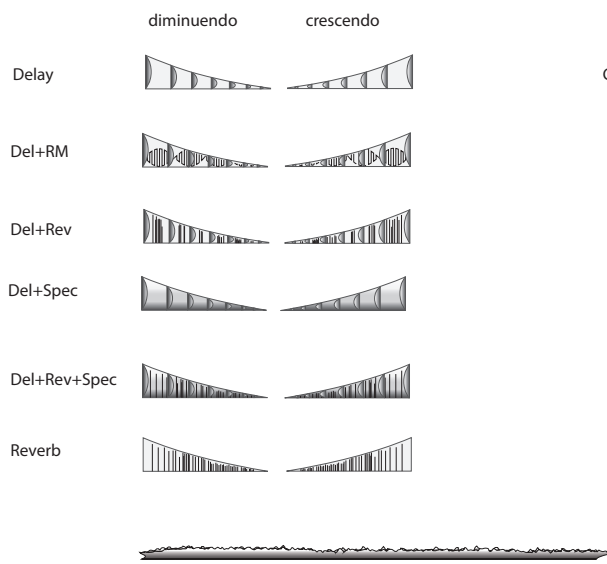
Musical score for measures 25-34. The score is written for four staves: Violin I, Violin II, Viola, and Cello/Double Bass. It continues the complex melodic and harmonic material from the previous system. Measure numbers 25, 26, 27, 28, 29, 30, 31, 32, 33, and 34 are indicated at the top of each staff. A large watermark is present over the score.

# Pyrox

## II

Earthy energy

### Instructions



Graphic notation for the electronic part of each individual instrument.  
Height roughly indicates volume and gradient tone-color (timbre).

Andante ♩ = 68

Violin I

Violin II

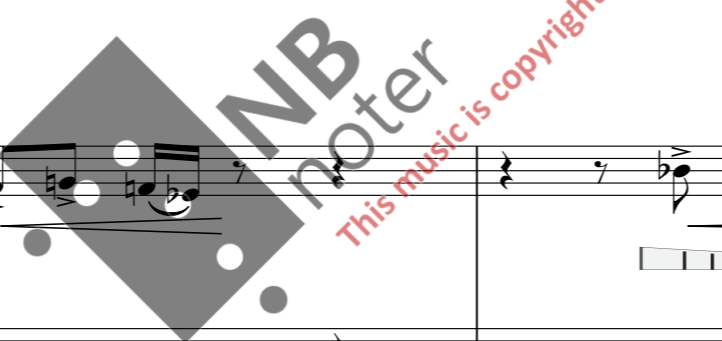
Viola

Violoncello

6

Musical score system 1 (measures 10-13). It features four staves: two treble clefs and two bass clefs. The first staff (top) contains a treble clef with a 3-measure triplet and a 5-measure phrase, marked *ff*. The second staff (treble clef) contains a 5-measure phrase, also marked *ff*. The third staff (bass clef) contains a 3-measure triplet and another 3-measure triplet, marked *ff*. The fourth staff (bass clef) contains a 5-measure phrase, marked *ff*. The system includes various musical notations such as slurs, accents, and dynamic markings.

Musical score system 2 (measures 14-17). It features four staves: two treble clefs and two bass clefs. The first staff (top) contains a 5-measure phrase and a 3-measure triplet, marked *ff*. The second staff (treble clef) contains a 5-measure phrase, marked *ff*. The third staff (bass clef) contains a 3-measure triplet and another 3-measure triplet, marked *ff*. The fourth staff (bass clef) contains a 5-measure phrase, marked *ff*. The system includes various musical notations such as slurs, accents, and dynamic markings.



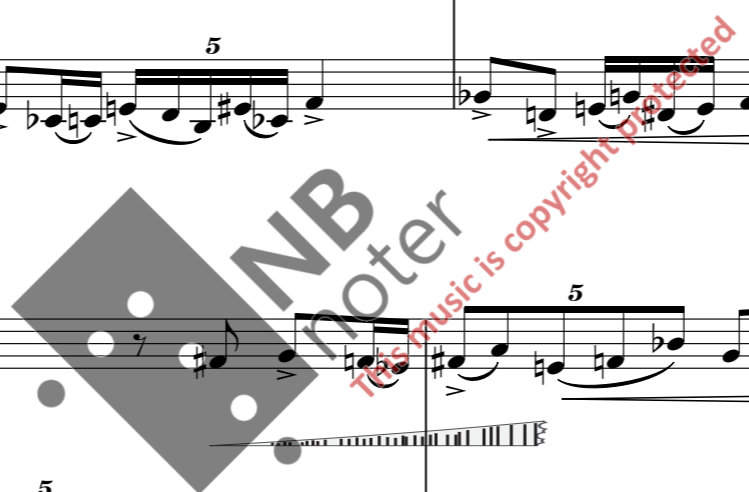


18

Musical score for measures 18-21. The score is written for four staves: Treble (top), Bass (second), Bass (third), and Bass (bottom). Measure 18 starts with a treble clef, a key signature of one flat, and a dynamic marking of *ff*. It features a triplet of eighth notes in the treble and a quintuplet of eighth notes in the bass. Measures 19-21 continue with complex rhythmic patterns, including triplets and quintuplets, and dynamic markings of *ff*. The score includes various musical notations such as slurs, accents, and hairpins.

22

Musical score for measures 22-25. The score is written for four staves: Treble (top), Bass (second), Bass (third), and Bass (bottom). Measure 22 starts with a treble clef, a key signature of one flat, and a dynamic marking of *ff*. It features a triplet of eighth notes in the treble and a quintuplet of eighth notes in the bass. Measures 23-25 continue with complex rhythmic patterns, including triplets and quintuplets, and dynamic markings of *ff*. The score includes various musical notations such as slurs, accents, and hairpins.

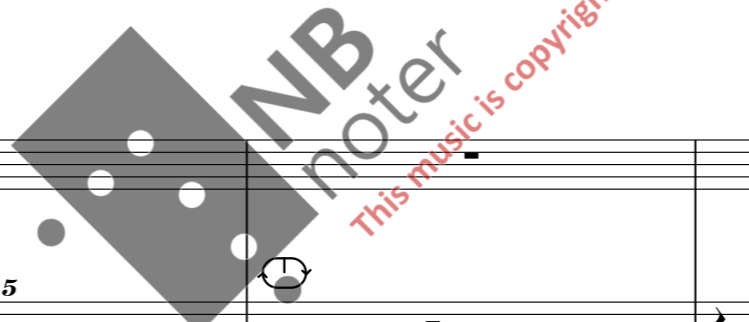


26

Musical score for measures 26-29. The score is written for four staves: Treble 1, Treble 2, Bass 1, and Bass 2. Measure 26 features a treble clef with a 5-finger scale and a bass clef with a 3-finger scale. Measure 27 continues with similar patterns. Measure 28 includes a *ff* dynamic marking and a 5-finger scale in the treble. Measure 29 features a 3-finger scale in the bass. The score includes various musical notations such as slurs, accents, and dynamic markings.

30

Musical score for measures 30-33. The score is written for four staves: Treble 1, Treble 2, Bass 1, and Bass 2. Measure 30 features a treble clef with a 5-finger scale and a bass clef with a 3-finger scale. Measure 31 continues with similar patterns. Measure 32 includes a *ff* dynamic marking and a 5-finger scale in the treble. Measure 33 features a 3-finger scale in the bass. The score includes various musical notations such as slurs, accents, and dynamic markings.



35

Musical score for measures 35-37. The score is written for three staves: two treble clefs and one bass clef. The bass clef staff contains the primary melodic and harmonic content. It features a triplet of eighth notes in measure 35, followed by a series of eighth and sixteenth notes. A *ff* dynamic marking is present in measure 36. A five-fingered scale (marked '5') is shown in measure 37. The score includes various musical notations such as slurs, accents, and dynamic markings. There are also some graphical artifacts, including a large watermark and some irregular shapes.

38

Musical score for measures 38-41. The score is written for three staves: two treble clefs and one bass clef. The bass clef staff contains the primary melodic and harmonic content. It features a triplet of eighth notes in measure 38, followed by a series of eighth and sixteenth notes. A *ff* dynamic marking is present in measure 39. A five-fingered scale (marked '5') is shown in measure 40. The score includes various musical notations such as slurs, accents, and dynamic markings. There are also some graphical artifacts, including a large watermark and some irregular shapes.

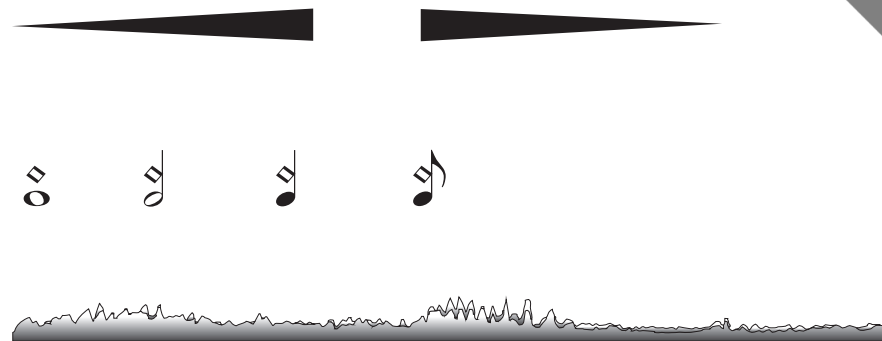
# Pyrox

## III

Quietly flickering

### Instructions

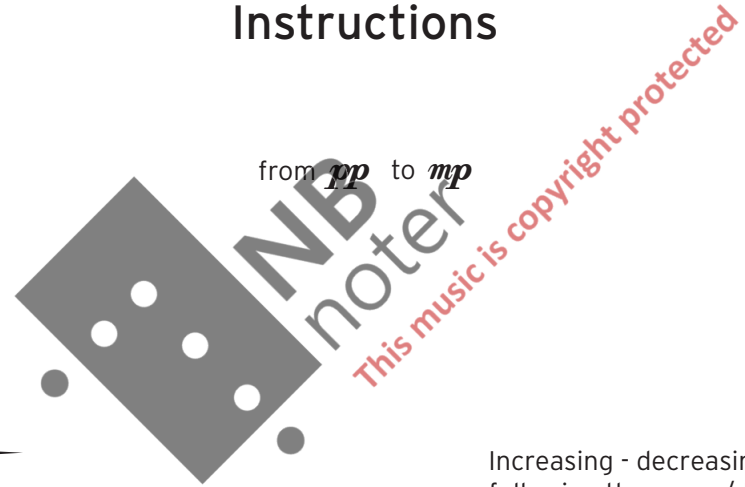
from *pp* to *mp*



Increasing - decreasing bow pressure. Very subtle variant in bow pressure following the cresc./dim. signs. The amount of pressure can variate according to taste.

Harmonics - sounding two octaves higher.

Graphic illustration for the electronic part of each individual instrument. Height roughly indicates volume and gradient tone-color (timbre).



Grave Con moto ♩ = 44

con sord.  
senza vibrato

Violin I *pp* *mp* *pp*

Violin II *pp* *con sord.* *senza vibrato*

Viola *pp* *mp* *pp*

Violoncello *pp* *mp* *pp*

11 *mp* *pp* *mp* *pp*

*mp* *pp* *mp* *pp*

*mp* *pp*

*pp* *mp* *pp* *mp* *pp*

20

pp mp mp mp mp

mp pp mp

mp pp mp

mp

5

5

26

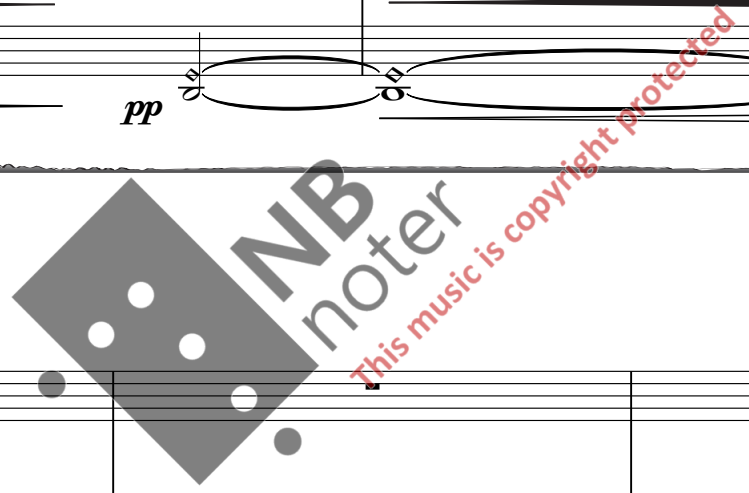
niente niente

pp mp pp mp

pp mp

3

niente



# Pyrox

## IV

Fissure

### Instructions

from *ppp* to *fff*



NB  
noter

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Graphic illustration for the electronic part of each individual instrument.  
Height roughly indicates volume and gradient tone-color (timbre).

Moderato con brio ♩ = 89

Violin I: *ppp*, *pp*, *ppp*, *pp*

Violin II: *ppp*, *pp*

Viola: *ppp*, *pp*

Violoncello: *ppp*

Measures 1-8. Violin I and II play melodic lines with various dynamics. Viola and Violoncello provide harmonic support with triplets and other rhythmic patterns.

Violin I: *mp*

Violin II: *p*, *mp*

Viola: *p*, *mp*

Violoncello: *pp*, *p*

Measures 9-13. The music continues with dynamic changes and rhythmic variations across all parts.

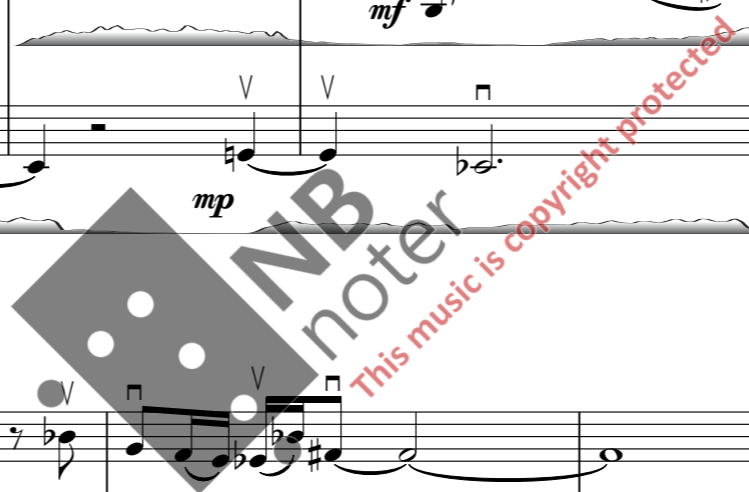


15

Musical score for measures 15-20. The score is written for four staves: Treble (top), Treble (second), Bass (third), and Bass (bottom). The key signature has one flat (B-flat). The time signature is 3/4. Measure 15 starts with a treble clef and a 5-fingered chord. Dynamic markings include *mf* in measure 16 and *mp* in measure 18. Fingerings and articulations are indicated by 'V' and numbers like 5 and 3. A double bar line is present at the end of measure 20.

21

Musical score for measures 21-24. The score is written for four staves: Treble (top), Treble (second), Bass (third), and Bass (bottom). The key signature has one flat (B-flat). The time signature is 3/4. Measure 21 starts with a treble clef. Dynamic markings include *f* in measure 23 and *mf* in measure 24. Fingerings and articulations are indicated by 'V' and numbers like 5 and 3. A double bar line is present at the end of measure 24.

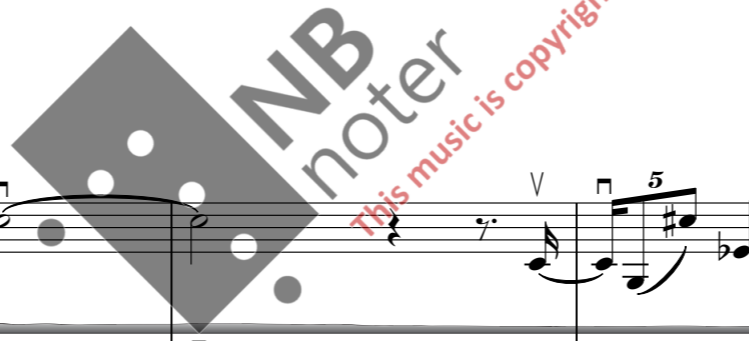


26

Musical score for measures 26-30. The score is written for four staves: Treble 1, Treble 2, Bass 1, and Bass 2. Measure 26 starts with a treble clef and a key signature of one flat. The music features complex rhythmic patterns with slurs and accents. Measure 27 includes a dynamic marking of *f* and a triplet of eighth notes. Measure 28 has a dynamic marking of *f* and a triplet of eighth notes. Measure 29 has a dynamic marking of *f* and a triplet of eighth notes. Measure 30 has a dynamic marking of *f* and a triplet of eighth notes. The score includes various musical notations such as slurs, accents, and dynamic markings.

31

Musical score for measures 31-35. The score is written for four staves: Treble 1, Treble 2, Bass 1, and Bass 2. Measure 31 starts with a treble clef and a key signature of one flat. The music features complex rhythmic patterns with slurs and accents. Measure 32 includes a dynamic marking of *ff* and a triplet of eighth notes. Measure 33 has a dynamic marking of *ff* and a triplet of eighth notes. Measure 34 has a dynamic marking of *ff* and a triplet of eighth notes. Measure 35 has a dynamic marking of *ff* and a triplet of eighth notes. The score includes various musical notations such as slurs, accents, and dynamic markings.



36

Musical score for measures 36-39. The score is written for four staves: Treble (top), Treble (second), Bass (third), and Bass (bottom). Measure 36 starts with a treble staff containing a triplet of eighth notes and a bass staff with a triplet of eighth notes. Measure 37 features a treble staff with a quarter note and a bass staff with a triplet of eighth notes. Measure 38 has a treble staff with a quarter note and a bass staff with a triplet of eighth notes. Measure 39 is marked *fff* and features a treble staff with a quarter note and a bass staff with a triplet of eighth notes. A large watermark 'NB noter' is visible across the middle of the page.

40

Musical score for measures 40-43. The score is written for four staves: Treble (top), Treble (second), Bass (third), and Bass (bottom). Measure 40 starts with a treble staff containing a triplet of eighth notes and a bass staff with a triplet of eighth notes. Measure 41 features a treble staff with a quarter note and a bass staff with a triplet of eighth notes. Measure 42 has a treble staff with a quarter note and a bass staff with a triplet of eighth notes. Measure 43 is marked *fff* and features a treble staff with a quarter note and a bass staff with a triplet of eighth notes. A large watermark 'NB noter' is visible across the middle of the page.

44

5

5

3

5

5

48

5

*sempre fff*

5

5

# Pyrox


## V


Choral repercussions


### Instructions

-----> normal -----> sul tasto

*ppp* sempre to *f*

 *trem. to ord.* ←

*ord. to trem.* → 



**NB**  
noter  
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A gradual move of bow position from beginning to end of the movement.

Play the whole movement very soft with no crescendo or diminuendo from beginning to the *f* (Violin *mf*). Then gradual diminuendo until *niente* at the end.

Irregular tremolo.

Play gradually from ordinary bow stroke to irregular tremolo.

Play gradually from irregular tremolo to ordinary bow stroke.

Graphic notation for the electronic part of each individual instrument.  
Height roughly indicates volume and gradient tone-color (timbre).

Larghissimo ♩ = 34

Violin I  
sul pont  
senza vibrato  
*ppp sempre to mf*  
gradually move to normal  
ord. to trem.  
grad. to ord.

Violin II  
sul pont  
senza vibrato  
*ppp sempre to f*  
ord. to tremolo (no cresc.)  
grad. to ord. (no dim.)  
ord. to trem.  
grad. to ord. (no dim.)

Viola  
sul pont  
senza vibrato  
*ppp sempre to f*  
ord. to tremolo (no cresc.)  
grad. to ord. (no dim.)  
ord. to tremolo (no cresc.)  
grad. to ord. (no dim.)

Violoncello  
sul pont  
senza vibrato  
*ppp sempre to f*  
ord. to trem.  
trem. to ord.  
ord. to trem.  
trem. to ord.

8  
normal  
gradually move to sul tasto  
normal  
ord. to trem.  
trem. to ord.  
trem. to ord.  
ord. to trem.  
trem. to ord.  
normal  
ord. to trem.  
trem. to ord.

2

normal

15

trem.to ord.

ord. to trem.

ord. to trem.

trem.to ord.

trem.to ord.

ord. to trem.

trem.to ord.

ord. to trem.

trem.to ord.

normal

ord. to trem.

trem.to ord.

3

21

ord. to trem.

ord. to trem.

trem.to ord.

ord. to trem.

trem.to ord.

ord. to trem.

trem.to ord.

ord. to trem.

trem.to ord.

trem.to ord.

trem.to ord.

sul tasto

f

poco a poco dim.

sul tasto

f

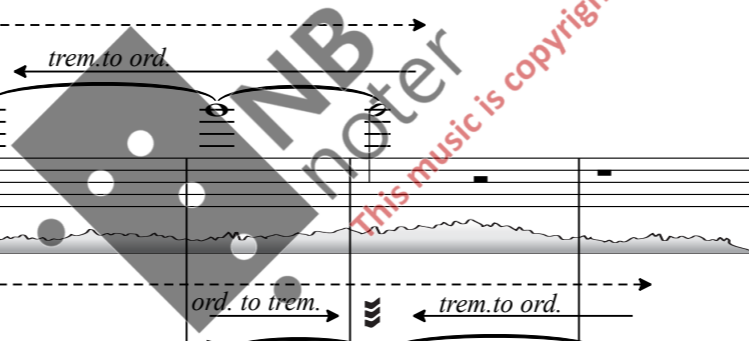
poco a poco dim.

sul tasto

f

poco a poco dim.

3



31

sul tasto

*mf* *poco a poco dim.*

The image shows a musical score for piano, starting at measure 31. It consists of four staves: two treble clefs and two bass clefs. The first staff is a grand staff with a treble clef. The second staff is a grand staff with a treble clef. The third staff is a grand staff with a bass clef. The fourth staff is a grand staff with a bass clef. The score includes dynamic markings: *mf* (mezzo-forte) and *poco a poco dim.* (poco a poco diminuendo). There are also performance instructions: "sul tasto" (sustained pedal) and "poco a poco dim." (poco a poco diminuendo). The score is annotated with various musical symbols, including slurs, accents, and dynamic markings. A watermark "NB noter" and "This music is copyright protected" is visible in the center of the page.